

E2

103. KGESLFHSSKKMDL	SEQ ID NO.: 124	104. ESLEFHSKKMDLTV	SEQ ID NO.: 125
105. LFHSSKKMDLTVNG	SEQ ID NO.: 126	106. HSKKMDLTVNGEQ	SEQ ID NO.: 127
107. KKMDLTVNGEQLD	SEQ ID NO.: 128	108. MDLTVNGEQLDLD	SEQ ID NO.: 129
109. LTVNGEQLDLDPG	SEQ ID NO.: 130	110. VNGEQLDLDPGQT	SEQ ID NO.: 131
111. GEQLDLDPGQTLI	SEQ ID NO.: 132	112. QLDLDPGQTLIYY	SEQ ID NO.: 133
113. DLDPGQTLIYYVD	SEQ ID NO.: 134	114. DPGQTLIYYVDEK	SEQ ID NO.: 135
115. GQTLIYYVDEKAP	SEQ ID NO.: 136	116. TLIYYVDEKAPEF	SEQ ID NO.: 137
117. IYYVDEKAPEFSM	SEQ ID NO.: 138	118. YVDEKAPEFSMQG	SEQ ID NO.: 139
119. DEKAPEFSMQGLK	SEQ ID NO.: 140		

Attached hereto is the marked up copy of Tables 1 and 3 as Appendix A.

**REMARKS**

The Examiner has required amendment of the application to identify the sequences disclosed therein with SEQ ID NOs. A review of the specification and drawings shows that sequences were disclosed only in Tables 1 and 3. Tables 1 and 3 have now been amended to provide SEQ ID NOs which are assigned in the Sequence Listing filed with the application.

Applicant believes that the application now meets all of the Sequence Listings Requirements under 37 CFR§1.821(a)(1) and (a)(2) and should be acceptable. No new matter has been presented. Entry of the amendment and the substitute Tables 1 and 3 are requested.

Respectfully submitted,



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APPENDIX A

Table I: Primer sets

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heavy chain Fd-fragment:

5'-primer:

VH1,3,5,7:	AGGTGCAGCTGCTCGAGTCTGG	<u>SEQ ID NO.: 1</u>
VH2:	CAG(AG)TCACCTTGCTCGAGTCTGG	<u>SEQ ID NO.: 2</u>
VH4:	CAGGTGCAGCTGCTCGAGTCGGG	<u>SEQ ID NO.: 3</u>
VH4B:	CAGGTGCAGCTACTCGAGTGGGG	<u>SEQ ID NO.: 4</u>
VH6:	CAGGTACAGCTGCTCGAGTCAGG	<u>SEQ ID NO.: 5</u>

3'-primer:

CD1:	TGCCTTACTAGTCTCTGGCCAGCGGAAGAT	<u>SEQ ID NO.: 6</u>
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kappa chain fragment:

5'-primer:

VK1:	GAGCCGCACGAGCCCGAGCTCCAGATGACCCAGTCTCC	<u>SEQ ID NO.: 7</u>
VK3:	GAGCCGCACGAGCCCGAGCTCGTG(AT)TGAC(AG)CAGTCTCC	<u>SEQ ID NO.: 8</u>
VK2/4:	GAGCCGCACGAGCCCGAGCTCGTGATGAC(CT)CAGTCTCC	<u>SEQ ID NO.: 9</u>
VK5:	GAGCCGCACGAGCCCGAGCTCACACTCACGCAGTCTCC	<u>SEQ ID NO.: 10</u>
VK6:	GAGCCGCACGAGCCCGAGCTCGTGCTGACTCAGTCTCC	<u>SEQ ID NO.: 11</u>

3'-primer:

CK1D:	GCGCCGTCTAGAATTAACACTCTCCCCTGTTGAAGCTCTTTGTGA CGGGCGAACTCAG	<u>SEQ ID NO.: 12</u>
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lambda chain fragment:

5'-primer:

VL1:	AATTTTGAGCTCACTCAGCCCCAC	<u>SEQ ID NO.: 13</u>
VL2:	TCTGCCGAGCTCCAGCCTGCCTCCGTG	<u>SEQ ID NO.: 14</u>
VL3:	TCTGTGGAGCTCCAGCCGCCCTCAGTG	<u>SEQ ID NO.: 15</u>
VL4:	TCTGAAGAGCTCCAGGACCCTGTTGTGTCTGTG	<u>SEQ ID NO.: 16</u>

VL5:	CAGTCTGAGCTCACGCAGCCGCCC	<u>SEQ ID NO.: 17</u>
VL6:	CAGACTGAGCTCACTCAGGAGCCC	<u>SEQ ID NO.: 18</u>
VL7:	CAGGTTGAGCTCACTCAACCGCCC	<u>SEQ ID NO.: 19</u>
VL8:	CAGGCTGAGCTCACTCAGCCGTCTTCC	<u>SEQ ID NO.: 20</u>
3'-primer:		
CL2:	CGCCGTCTAGAATTATGAACATTCTGTAGG	<u>SEQ ID NO.: 21</u>

**Table 3**

Table 3 : Synthesized peptides (numbers correspond to the numbers of peptide spots)

1. TATFAAAQEECVC	<u>SEQ ID NO.: 22</u>	2. TFAAAQEECVCEN	<u>SEQ ID NO.: 23</u>
3. AAAQEECVCENYK	<u>SEQ ID NO.: 24</u>	4. AQEECVENYKLA	<u>SEQ ID NO.: 25</u>
5. EECVCENYKLAVN	<u>SEQ ID NO.: 26</u>	6. CVCENYKLAVNCF	<u>SEQ ID NO.: 27</u>
7. CENYKLAVNCFVN	<u>SEQ ID NO.: 28</u>	8. NYKLAVNCFVNNN	<u>SEQ ID NO.: 29</u>
9. KLAVNCFVNNNRQ	<u>SEQ ID NO.: 30</u>	10. AVNCFVNNNRQCQ	<u>SEQ ID NO.: 31</u>
11. NCFVNNNRQCQCT	<u>SEQ ID NO.: 32</u>	12. FVNNNRQCQCTSV	<u>SEQ ID NO.: 33</u>
13. NNNRQCQCTSVGA	<u>SEQ ID NO.: 34</u>	14. NRQCQCTSVGAQN	<u>SEQ ID NO.: 35</u>
15. QCQCTSVGAQNTV	<u>SEQ ID NO.: 36</u>	16. QCTSVGAQNTVIC	<u>SEQ ID NO.: 37</u>
17. TSVGAQNTVICK	<u>SEQ ID NO.: 38</u>	18. VGAQNTVICKLA	<u>SEQ ID NO.: 39</u>
19. AQNTVICKLAAK	<u>SEQ ID NO.: 40</u>	20. NTVICKLAAKCL	<u>SEQ ID NO.: 41</u>
21. VICKLAAKCLVM	<u>SEQ ID NO.: 42</u>	22. CSKLAAKCLVMKA	<u>SEQ ID NO.: 43</u>
23. KLAACKCLVMKAEM	<u>SEQ ID NO.: 44</u>	24. AACKCLVMKAEMNG	<u>SEQ ID NO.: 45</u>
25. KCLVMKAEMNGSK	<u>SEQ ID NO.: 46</u>	26. LVMKAEMNGSKLG	<u>SEQ ID NO.: 47</u>
27. MKAEMNGSKLGRR	<u>SEQ ID NO.: 48</u>	28. AEMNGSKLGRRAK	<u>SEQ ID NO.: 49</u>
29. MNGSKLGRRAKPE	<u>SEQ ID NO.: 50</u>	30. GSKLGRRAKPEGA	<u>SEQ ID NO.: 51</u>
31. KLGRRAKPEGALQ	<u>SEQ ID NO.: 52</u>	32. GRRAKPEGALQNN	<u>SEQ ID NO.: 53</u>
33. RAKPEGALQNDG	<u>SEQ ID NO.: 54</u>	34. KPEGALQNDGLY	<u>SEQ ID NO.: 55</u>
35. EGALQNDGLYDP	<u>SEQ ID NO.: 56</u>	36. ALQNDGLYDPDC	<u>SEQ ID NO.: 57</u>
37. QNDGLYDPDCDE	<u>SEQ ID NO.: 58</u>	38. NDGLYDPDCDESG	<u>SEQ ID NO.: 59</u>
39. GLYDPDCDEGLF	<u>SEQ ID NO.: 60</u>	40. YDPDCDEGLFKA	<u>SEQ ID NO.: 61</u>
41. PDCDEGLFKAQ	<u>SEQ ID NO.: 62</u>	42. CDEGLFKAQCN	<u>SEQ ID NO.: 63</u>
43. ESGLFKAQCNGT	<u>SEQ ID NO.: 64</u>	44. GLFKAQCNGTST	<u>SEQ ID NO.: 65</u>
45. FKAQCNGTSTCW	<u>SEQ ID NO.: 66</u>	46. AKQCNGTSTCWCV	<u>SEQ ID NO.: 67</u>
47. QCNGTSTCWCVNT	<u>SEQ ID NO.: 68</u>	48. NGTSTCWCVNTAG	<u>SEQ ID NO.: 69</u>
49. TSTCWCVNTAGVR	<u>SEQ ID NO.: 70</u>	50. TCWCVNTAGVRRT	<u>SEQ ID NO.: 71</u>
51. WCVNTAGVRRTDK	<u>SEQ ID NO.: 72</u>	52. VNTAGVRRTDKDT	<u>SEQ ID NO.: 73</u>
53. TAGVRRTDKDTEI	<u>SEQ ID NO.: 74</u>	54. GVRRTDKDTEITC	<u>SEQ ID NO.: 75</u>
55. RRTDKDTEITCSE	<u>SEQ ID NO.: 76</u>	56. TDKDTEITCSERV	<u>SEQ ID NO.: 77</u>
57. KDTEITCSERVRT	<u>SEQ ID NO.: 78</u>	58. TEITCSERVRTYW	<u>SEQ ID NO.: 79</u>
59. ITCSERVRTYWII	<u>SEQ ID NO.: 80</u>	60. CSERVRTYWIIE	<u>SEQ ID NO.: 81</u>
61. ERVRTYWIIEELK	<u>SEQ ID NO.: 82</u>	62. VRTYWIIEELKHK	<u>SEQ ID NO.: 83</u>
63. TYWIIEELKHKAR	<u>SEQ ID NO.: 84</u>	64. WIIEELKHKAREK	<u>SEQ ID NO.: 85</u>

65. IELKHKAREKPY	<u>SEQ ID NO.: 86</u>	66. ELKHKAREKPYDS	<u>SEQ ID NO.: 87</u>
67. KHKAREKPYDSKS	<u>SEQ ID NO.: 88</u>	68. KAREKPYDSKSLR	<u>SEQ ID NO.: 89</u>
69. REKPYDSKSLRTA	<u>SEQ ID NO.: 90</u>	70. KPYDSKSLRTALQ	<u>SEQ ID NO.: 91</u>
71. YDSKSLRTALQKE	<u>SEQ ID NO.: 92</u>	72. SKSLRTALQKEIT	<u>SEQ ID NO.: 93</u>
73. SLRTALQKEITTR	<u>SEQ ID NO.: 94</u>	74. RTALQKEITTRYQ	<u>SEQ ID NO.: 95</u>
75. ALQKEITTRYQLD	<u>SEQ ID NO.: 96</u>	76. QKEITTRYQLDPK	<u>SEQ ID NO.: 97</u>
77. EITTRYQLDPKFI	<u>SEQ ID NO.: 98</u>	78. TTRYQLDPKFITS	<u>SEQ ID NO.: 99</u>
79. RYQLDPKFITSIL	<u>SEQ ID NO.: 100</u>	80. QLDPKFITSILYE	<u>SEQ ID NO.: 101</u>
81. DPKFITSILYENN	<u>SEQ ID NO.: 102</u>	82. KFITSILYENNV	<u>SEQ ID NO.: 103</u>
83. ITSILYENNVITI	<u>SEQ ID NO.: 104</u>	84. SILYENNVITIDL	<u>SEQ ID NO.: 105</u>
85. LYENNVITIDLVQ	<u>SEQ ID NO.: 106</u>	86. ENNVITIDLVQNS	<u>SEQ ID NO.: 107</u>
87. NVITIDLVQNSSQ	<u>SEQ ID NO.: 108</u>	88. ITIDLVQNSSQKT	<u>SEQ ID NO.: 109</u>
89. IDLVQNSSQKTQN	<u>SEQ ID NO.: 110</u>	90. LVQNSSQKTQNDV	<u>SEQ ID NO.: 111</u>
91. QNSSQKTQNDVDI	<u>SEQ ID NO.: 112</u>	92. SSQKTQNDVDIAD	<u>SEQ ID NO.: 113</u>
93. QKTQNDVDIADV	<u>SEQ ID NO.: 114</u>	94. TQNDVDIADVAYY	<u>SEQ ID NO.: 115</u>
95. NDVDIADVAYYFE	<u>SEQ ID NO.: 116</u>	96. VDIADVAYYFEKD	<u>SEQ ID NO.: 117</u>
97. IADVAYYFEKDVK	<u>SEQ ID NO.: 118</u>	98. DVAYYFEKDVKGE	<u>SEQ ID NO.: 119</u>
99. AYYFEKDVKGESL	<u>SEQ ID NO.: 120</u>	100. YFEKDVKGESLFH	<u>SEQ ID NO.: 121</u>
101. EKDVKGESLFH	<u>SEQ ID NO.: 122</u>	102. DVKGESLFHKKM	<u>SEQ ID NO.: 123</u>
103. KGESLFHKKMDL	<u>SEQ ID NO.: 124</u>	104. ESLFHKKMDLTV	<u>SEQ ID NO.: 125</u>
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